

THHN/THWN Wire

Product Description: Type THHN or THWN-2 conductors are primarily used in conduit as branch circuits in commercial or industrial applications, as specified by the National Electrical Code. Type AWM or MTW conductors are primarily used as appliance or machine tool wiring, as specified by the National Electrical Code.

Type THHN or THWN-2 are available as stranded in sizes 14 awg - 750 kcmil, and as solid in sizes 14-10 awg. Stranded sizes 14 awg - 750 kcmil are also rated as AWM or MTW. The conductors are soft-annealed, stranded or solid copper and are insulated with a tough, heat and moisture resistant polyvinyl chloride (PVC), over which a nylon (polyimide) jacket is applied.

Specifications and Sizes: Type THHN or THWN-2 or AWM or MTW meets applicable ASTM specifications, UL Standard 83, UL Standard 758, and UL Standard 1063. The conductors are Gasoline and Oil Resistant II, and have a voltage rating to 600 volts. Sizes 1/0 and larger are rated for CT use. All sizes have VW1 flame rating. All THHN is UL and cUL Listed.

Conductor		PVC Insulation Thickness (Mils)	Nylon Jacket Thickness (Mils)	Nominal O.D. (Mils)	Ampacity	Approx. Net Weight per MFT	Color Code
Size AWG	No. Strands				90° C THHN / THWN-2		
14	Solid	15	4	102	15	16	1
12	Solid	15	4	119	20	24	1
10	Solid	20	4	150	30	37	1
14	19	15	4	112	15	16	1
12	19	15	4	131	20	24	1
10	19	20	4	165	30	37	1
8	19	30	5	218	55	64	2
6	19	30	5	256	75	96	2
4	19	40	6	325	95	155	2
3	19	40	6	345	110	190	3
2	19	40	6	388	130	235	3
1	19	50	7	437	150	300	3
1/0	19	50	7	477	170	370	3
2/0	19	50	7	521	195	465	3
3/0	19	50	7	571	225	570	3
4/0	19	50	7	627	260	720	4
250	37	60	8	711	290	850	5
300	37	60	8	766	320	1011	5
350	37	60	8	817	350	1172	5
400	37	60	8	864	380	1333	5
500	37	60	8	949	430	1653	5
600	61	70	9	1051	475	1985	5
750	61	70	9	1126	535	2462	5

Colors Available:

Color Code #1) Black, White, Red, Blue, Green, Orange, Yellow, Brown, Purple, Gray, Pink, Tan

Color Code #2) Black, White, Red, Blue, Green, Orange, Yellow, Brown, Gray

Color Code #3) Black, White, Red, Green

Color Code #4) Black, Green

Color Code #5) Black

Some colors are subject to economic order quantity.